

Page 2, line 2, after "unnatural", insert --sounding--.

Page 3, line 33, after "after", insert --it has been--.

Page 4, line 1, after "before", insert --it has been--.

Page 4, line 3, after "after", insert --it has been--.

Page 4, line 20, replace "communication" with --communications, such as--.

Page 4, line 20, delete "(".

Page 4, line 22, delete ")".

Page 5, line 4, replace "consists" with --comprises--.

Page 5, line 11, after "93" insert --, shown in Fig. 4, --.

Page 5, line 13, replace "are" with --is--.

Page 5, line 17, replace "on" with --comprising--.

Page 5, line 28, replace "The" with --In a specific embodiment, the--.

Page 6, line 26, replace "..." with --and so forth,--.

Page 9, line 32, replace "rage" with -- range--.

Page 10, line 3, after "after" insert --it has been--.

IN THE CLAIMS:

Please amend claims 1-5 and 7-14 as follows. For the Examiner's convenience, all pending claims are reproduced below. Those claims to which no amendment is requested appear in small print.

- 1 1. (Amended) A cellular phone comprising:
2 an antenna;
3 a high-frequency circuit unit connected to [an] the antenna;
4 an audio circuit unit connected to the high-frequency circuit unit;
5 a control means for controlling said high-frequency circuit unit and said audio
6 circuit unit;
7 a memory means connected to the control means;
8 a control unit connected to said control means;
9 a microphone and a receiver connected to said audio circuit unit;

10 a speaker for providing specified output in a range between a first frequency
11 and a second frequency; and
12 a signal generating means for supplying an audio signal to the speaker;
13 wherein signal data corresponding to an audio signal to be generated by said
14 signal generating means is stored in said memory means; and wherein [so that] said control
15 means controls said signal generating means based on said signal data; and
16 said signal data stored in said memory means are of [the] a frequency in a range
17 between said first frequency and said second frequency, and wherein the audio signal [whose]
18 having a frequency [is] in a range between said first frequency and said second frequency is
19 supplied to said speaker by said signal generating means.

1 2. (Amended) A cellular phone as claimed in claim 1,
2 wherein said signal data includes interval data, [and] scale data, and [as well
3 as] tone data.

1 3. (Amended) A cellular phone as claimed in claim 1,
2 wherein said memory means stores a plurality of [pieces of] signal data having
3 first tone data in a specified order, and stores a plurality of [pieces of] signal data having
4 second tone data in a specified order; and
5 [said control means controls] said signal generating means [in such a manner
6 that] generates an audio signal corresponding to the signal data having said first tone data and
7 an audio signal corresponding to the signal data having said second tone data [are generated]
8 with predetermined timing.

1 4. (Amended) A cellular phone as claimed in claim 3,
2 wherein when an audio signal corresponding to the signal data having said first
3 tone data and an audio signal corresponding to the signal data having said second tone data are
4 generated with predetermined timing, the audio signal corresponding to the signal data having
5 said first tone data and the audio signal corresponding to the signal data having said second
6 tone data form a chord relation in intervals and scales with each other [in terms of their
7 intervals and scales].

1 5. (Amended) A cellular phone comprising:
2 an antenna;
3 a high-frequency circuit unit connected to [an] the antenna;
4 an audio circuit unit connected to the high-frequency circuit unit;
5 a control means for controlling said high-frequency circuit unit and said audio
6 circuit unit;
7 a memory means connected to the control means;
8 a control unit connected to said control means;
9 a microphone and a receiver connected to said audio circuit unit;
10 a speaker for providing specified output in a range between a first frequency
11 and a second frequency; and
12 a signal generating means for supplying an audio signal to the speaker;
13 wherein signal data corresponding to an audio signal to be generated by said
14 signal generating means is stored in said memory means; and wherein [so that] said control
15 means controls said signal generating means based on said signal data;
16 said signal data includes interval data, [and] scale data, and [as well as] tone
17 data; and wherein said signal data [is divided into] comprises a plurality of parts
18 corresponding to said [according to each piece of] tone data, whereby in a part having a wide
19 range of frequency distribution, said signal data includes a corresponding audio signal [whose]
20 having a frequency [is] in a range between said first frequency and said second frequency, and
21 is stored in said memory means; and whereby
22 in a part having a narrow range of frequency distribution, said signal data is
23 stored in said memory means when the frequency of the corresponding audio signal is in a
24 range between said first frequency and said second frequency; and
25 the audio signal stored in said memory means is supplied to said speaker.

1 6. A cellular phone as claimed in claim 5,
2 wherein said control means causes each of the audio signals of said plurality of
3 parts to be supplied to said speaker with predetermined timing.

1 7. (Amended) A cellular phone as claimed in claim 6,
2 wherein the audio signals of said plurality of parts form a chord relation in
3 intervals and scales with one another [**in terms of their intervals and scales**] when the audio
4 signals of said plurality of parts are supplied to said speaker with predetermined timing.

1 8. (Amended) A melody sound reproducing unit comprising:
2 a speaker for providing [**specified**] output in a range between a first frequency
3 and a second frequency;
4 a signal generating means for supplying an audio signal to the speaker;
5 a memory means for storing signal data corresponding to an audio signal to be
6 generated by the signal generating means; and
7 a control means for controlling said signal generating means based on said
8 signal data;
9 wherein said signal data is stored in said memory means when the frequency of
10 the corresponding audio signal is in a range between said first frequency and said second
11 frequency; and
12 the audio signal [**whose**] having a frequency [**is**] in a range between said first
13 frequency and said second frequency is supplied to said speaker.

1 9. (Amended) A melody sound reproducing unit as claimed in claim 8,
2 wherein said signal data includes interval data, [**and**] scale data, and [**as well**
3 **as**] tone data;
4 said memory means stores a plurality of [**pieces of**] signal data having first tone
5 data in a specified order and stores a plurality of [**pieces of**] signal data having second tone
6 data in a specified order; and
7 [**said control means controls**] said signal generating means [**in such a manner**
8 **that**] generates an audio signal corresponding to the signal data having said first tone data and
9 an audio signal corresponding to the signal data having said second tone data [**are generated**]
10 with predetermined timing.

1 10. (Amended) A melody sound reproducing unit as claimed in claim 9,

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Claims 8-16

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Cont.

2 wherein when an audio signal corresponding to the signal data having said first
3 tone data and an audio signal corresponding to the signal data having said second tone data are
4 generated with predetermined timing, the audio signal corresponding to the signal data having
5 said first tone data and the audio signal corresponding to the signal data having said second
6 tone data form a chord relation in intervals and scales with each other **[in terms of their**
7 **intervals and scales]**.

1 11. (Amended) A melody sound reproducing method for a melody sound
2 reproducing unit, said reproducing unit including a speaker for providing specified output in a
3 range between a first frequency and a second frequency; a signal generating means for
4 supplying an audio signal to the speaker; a memory means for storing signal data
5 corresponding to an audio signal to be generated by the signal generating means; and a control
6 means for controlling said signal generating means based on said signal data; said method
7 comprising:

8 **[a step in which]** storing said signal data **[is stored]** in said memory means
9 when the frequency of the corresponding audio signal is in a range between said first frequency
10 and said second frequency; and

11 **[a step in which the]** supplying an audio signal **[whose]** having a frequency **[is]**
12 in a range between said first frequency and said second frequency **[is supplied]** to said speaker.

1 12. (Amended) A melody sound reproducing method as claimed in claim
2 11,
3 wherein said signal data includes interval data, **[and]** scale data, and **[as well**
4 **as]** tone data.

1 13. (Amended) A melody sound reproducing **[method for a melody sound**
2 **reproducing]** unit, said reproducing unit including a speaker for providing specified output in
3 a range between a first frequency and a second frequency; a signal generating means for
4 supplying an audio signal to the speaker; a memory means for storing signal data
5 corresponding to an audio signal to be generated by the signal generating means; and a control
6 means for controlling said signal generating means based on said signal data;

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7 wherein said memory means stores a plurality of **[pieces of] portions of** signal
8 data having first tone data in specified order, said signal data including a corresponding audio
9 signal **[whose] having a** frequency **[is]** in a range between said first frequency and said second
10 frequency, and stores a plurality of **[pieces of] portions of** signal data having second tone data
11 in specified order, said signal data including a corresponding audio signal **[whose] having a**
12 frequency **[is]** in a range between said first frequency and said second frequency; and

13 wherein said control means controls said signal generating means **[in such a**
14 **manner that]** to generate the audio signal corresponding to the signal data having said first
15 tone data and the audio signal corresponding to the signal data having said second tone data
16 **[are generated]** substantially simultaneously, whereby a sound corresponding to the signal
17 data which has said first tone data and includes a corresponding audio signal **[whose] having a**
18 frequency is in a range between said first frequency and said second frequency and a sound
19 corresponding to the signal data which has said second tone data and includes a corresponding
20 audio signal **[whose] having a** frequency is in a range between said first frequency and said
21 second frequency are produced from said speaker with a predetermined timing.

1 14. (Amended) A melody sound reproducing **[method] unit** as claimed in
2 claim 13,

3 wherein when an audio signal corresponding to the signal data having said first
4 tone data and an audio signal to the signal data having said second tone data are generated with
5 predetermined timing, the audio signal corresponding to the signal data having said first tone
6 data and the audio signal corresponding to the signal data having said second tone data form a
7 chord relation in at least one of intervals and scales with each other **[in terms of their**
8 **intervals and scales]**.

1 15. A method for reproducing a melody; said method comprising:
2 determining a range between a first frequency and a second frequency;
3 determining a frequency of an audio signal corresponding to a signal data;
4 storing said signal data in a memory in specified order when a frequency of the
5 corresponding audio signal is in said range between said first frequency and said second
6 frequency; and

16. A method for reproducing a melody as claimed in claim 15, further comprising:

17. A cellular phone comprising:

a high-frequency circuit unit connected to the antenna;

an audio circuit unit connected to the high-frequency circuit unit;

a memory connected to the controller;

a control unit connected to the controller;

a microphone and a receiver connected to said audio circuit unit;

a speaker for providing specified output in a range between a first frequency and a second frequency; and

a signal generator for supplying an audio signal to the speaker;

wherein signal data corresponding to an audio signal to be generated by said signal generator is stored in said memory; and wherein said controller controls said signal generator based on said signal data; and

said signal data stored in said memory is of a frequency in a range between said first frequency and said second frequency, and wherein the audio signal having a frequency in a range between said first frequency and said second frequency is supplied to said speaker.